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Colorado Department of Health
Hazardous Materials and Waste Management Division
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RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CONTINGENCY PLAN
IMPLEMENTATION REPORT (CPIR) NO. 93-002

Enclosed is the RCRA CPIR No. 93-002, which documents the status and information concerning the release of approximately 50 gallons of contaminated surface water diverted from Walnut Creek as part of a treatability study for Operable Unit (OU) No. 2. This water is normally treated in a Chemical Precipitation/Microfiltration/Granular Activated Carbon System to test the effectiveness of this type of treatment. The treated water is then returned to the creek.

The release occurred at 3:10 p.m. on Tuesday, March 9, 1993. An employee of Riedel Environmental Services discovered the release from the influent water line in response to an alarm signaling that a release had occurred. Approximately 50 gallons was released before the pump was turned off. Corrective action was taken to limit the spread of the release and the wetted area was limited to approximately 150 ft².

Surface water which contains listed hazardous waste must be managed as hazardous waste when it is removed from the stream (the "contained in" rule). Based on the results of previous analytical testing, F001 listed hazardous waste constituents have been detected in the water diverted from Walnut Creek for treatment in the Chemical Precipitation/Microfiltration/Granular Activated Carbon System. The exact source of the contamination is unknown. The level of contamination is slightly above drinking water standards. The F001 listed contaminants that have been detected are carbon tetrachloride, trichloroethene and tetrachloroethene. Additionally, chromium and 1,2-dichloroethene which are RCRA-regulated hazardous wastes for the characteristic of toxicity was found but not above regulatory limits. Other contaminants that have been tested for but not found are 1,1-dichloroethene, 1,1-dichloroethane, chloroform, acetone, methylene chloride, vinyl chloride, barium, cadmium, lead and mercury. This is based on 56 sampling events that took place from May 29, 1991, to February 13, 1992. Due to the presence of F001 constituents in the influent water and due to the fact that the Environmental Protection Agency (EPA) requires surface water and other media which contains listed hazardous waste must be managed as hazardous

removed from the ground (the "contained in" ruling), the RCRA Contingency Plan was implemented.

If you have any questions regarding this subject, please contact the Environmental Restoration Facilities Manager, M. C. Broussard, at 966-8517.

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